

## CONTENTS OF VOLUME 18

### Number 1, May 1990

Results of treatment in irradiated testicular seminoma patients <i>P. Kellokumpu-Lehtinen and A. Halme (Finland)</i>	1
Supratentorial malignant glioma: an analysis of radiation therapy in 178 cases <i>Y. Shibamoto, J. Yamashita, M. Takahashi, T. Yamasaki, H. Kikuchi and M. Abe (Japan)</i>	9
Tumour shrinkage and down staging after preoperative radiation of rectal adenocarcinomas <i>A. Horn, I. Morild and O. Dahl (Norway)</i>	19
Irradiation for xenogeneic transplantation <i>E. D. Halperin, S. J. Knechtle, R. C. Harland, Y. Yamaguchi, M. Sontag and R. R. Bollinger (U.S.A.)</i>	29
Reconstruction of high-energy bremsstrahlung spectra by numerical analysis of depth-dose data <i>O. Sauer and M. Neumann (F.R.G.)</i>	39
The potentiation of radiation damage by nicotinamide in the SCCVII tumour in vivo <i>M. R Horsman, P. J. Wood, D. J. Chaplin, J. M. Brown and J. Overgaard (U.S.A., Canada)</i>	49
Addition of a hypoxic cell selective cytotoxic agent (mitomycin C or porfiromycin) to Fluosol-DA®/carbogen/radiation <i>S. A. Holden, T. S. Herman and B. A. Teicher (U.S.A.)</i>	59
Effect of radiation on glucose absorption in the mouse jejunum in vivo <i>J. Overgaard and M. Matsui (Denmark)</i>	71
Kinetics of recovery from sublethal radiation damage in four murine tumors <i>R. Guttenberger, J. Kummermehr and D. Chmelevsky (F.R.G.)</i>	79
ESTRO Teaching Courses	89
9th Annual ESTRO Meeting, Montecatini, Italy	91
Corrigendum	93

### Number 2, June 1990

Publisher's Announcement	
Fractionation sensitivity and latency of telangiectasia after postmastectomy radiotherapy: a graded-response analysis <i>S. M. Bentzen, I. Turesson and H. D. Thames (Denmark, Sweden, U.S.A.)</i>	95
Accelerated fractionation radiotherapy for advanced head and neck cancer <i>D. S. Lamb, N. A. Spry, A. J. Gray, A. D. Johnson, S. R. Alexander and M. J. Dally (New Zealand)</i>	107

Long-term recovery of spermatogenesis after radiotherapy in patients with testicular cancer <i>P. V. Hansen, H. Trykker, I. L. Svennekjaer and J. Hvolby (Denmark)</i>	117
Combination of ABVD and radiotherapy in early stages of Hodgkin's disease: analysis of a series of 94 patients <i>H. Eghbali, F. Bonichon, B. David, J. Rojouan, A. Audebert, C. M. Blanc, R. Zittoun, B. Hoerni, A. Najman and Pierre and Marie Curie Group (France)</i>	127
Bone growth retardation induced by single and multifractionated irradiation <i>K. Masuda, B. O. Reid, N. Hunter and H. R. Withers (Japan, U.S.A.)</i>	137
Preclinical studies with the Faure high energy neutron facility: response of pig skin to fractionated doses of fast neutrons (66 MeV <sub>p</sub> → Be) <i>G. Blekkenhorst, A. Hendrikse, C. Kent, D. Jones and G. J. M. J. van den Aardweg (South Africa, U.K.)</i>	147
Comments on a time-dependent version of the linear-quadratic model <i>S. L. Tucker and E. L. Travis (U.S.A.)</i>	155
How worthwhile are short schedules in radiotherapy?: A series of exploratory calculations <i>J. F. Fowler (U.S.A.)</i>	165
Further comments on dose-time-fractionation considerations for lung damage (Letter to the Editor) <i>J. Van Dyk, C. H. Newcomb, K. Mah and T. J. Keane (Canada)</i>	183
Radiation-induced lung damage: dose-time fractionation considerations (Letter to the Editor) <i>J. F. Fowler (U.S.A.)</i>	184
Meeting Agenda	188
Courses	190
9th Annual ESTRO Meeting, Montecatini, Italy	193
<i>Number 3, July 1990</i>	
Publisher's Announcement	
The selection of patients for accelerated radiotherapy on the basis of tumor growth kinetics and intrinsic radiosensitivity <i>S. L. Tucker and K.-S. Chan (U.S.A.)</i>	197
Radiation-induced brachial plexus injury: follow-up of two different fractionation schedules <i>S. Powell, J. Cooke and C. Parsons (U.K.)</i>	213
Treatment of extremity soft tissue sarcomas with surgery and radiotherapy <i>M. Robinson, L. Barr, C. Fisher, I. Fryatt, A. Stotter, C. Harmer, E. Wiltshaw and G. Westbury (U.K.)</i>	221
Adenocarcinoma of the prostate treated with external-beam radiation therapy: 5-year minimum follow-up <i>R. J. Amdur, J. T. Parsons, L. T. Fitzgerald and R. R. Million (U.S.A.)</i>	235
Peripheral nerve and ureteral tolerance to intraoperative radiation therapy: clinical and dose-response analysis <i>E. G. Shaw, L. L. Gunderson, J. K. Martin, R. W. Beart, D. W. Nagorney and K. C. Podratz (U.S.A.)</i>	247

Transient and chronic neurological complications of fast neutron radiation for adenocarcinoma of the prostate <i>K. J. Russell, G. E. Laramore, J. N. Krieger, L. W. Wiens, J. T. Griffeth, W.-J. Koh, B. R. Griffin, M. M. Austin-Seymour, T. W. Griffin and L. W. Davis (U.S.A.)</i>	257
Methemoglobinemia induced by optical anesthetic (benzocaine) <i>L. A. Linares, T. Y. Peretz and J. Chin (U.S.A.)</i>	267
The response of a rodent fibrosarcoma to superficial/interstitial photochemotherapy, chemotherapy or radiotherapy <i>D. Gilson, B. Dixon, D. V. Ash, D. Vernon and S. B. Brown (U.K.)</i>	271
ESTRO Teaching Courses	280
9th Annual ESTRO Meeting, Montecatini, Italy	282
<i>Number 4, August 1990</i>	
Publisher's Announcement	iii
ESTRO-Varian Clinical Research Awards 1990	v
The effects of single dose oral hydralazine on blood flow through human lung tumours <i>N. P. Rowell, M. A. Flower, V. R. McCready, B. Cronin and A. Horwitz (U.K.)</i>	283
The effects of oral hydralazine on blood pressure, cardiac output and peripheral resistance with respect to dose, age and acetylator status <i>N. P. Rowell and K. Clark (U.K.)</i>	293
Mechanisms involved in the differential recovery of CD4 and CD8 T-lymphocytes after local irradiation in mice <i>D. De Ruysscher, M. Waer, M. Vandepitte and E. van der Schueren (Belgium)</i>	299
Dose-volume correlation in radiation-related late small-bowel complications: a clinical study <i>J. G. J. Letschert, J. V. Lebesque, R. W. de Boer, A. A. M. Hart and H. Bartelink (The Netherlands)</i>	307
The importance of vocal cord mobility in T <sub>2</sub> laryngeal cancer <i>R. G. Wiggenraad, C. H. Terhaard, G. J. Hordijk and L. A. Ravasz (The Netherlands)</i>	321
The Dijon clinical staging system for early rectal carcinomas amenable to intracavitary treatment techniques <i>J. C. Horiot, S. L. Roth, G. Calais, A. Nabid, M. C. Bone-Lepinoy and D. Loiseau (France, F.R.G., Canada)</i>	329
Comparison of curietherapy versus external irradiation combined with curietherapy in Stage II squamous cell carcinomas of the mobile tongue <i>V. Benk, J. J. Mazeron, L. Grimard, J. Crook, E. Haddad, P. Piedbois, E. Calitchi, M. Raynal, M. Martin, J. P. Le Bourgeois and B. Pierquin (France)</i>	339
Radiosensitivity testing of primary cervical carcinoma: evaluation of intra- and inter-tumour heterogeneity <i>S. E. Davidson, C. M. L. West, S. A. Roberts, J. H. Hendry and R. D. Hunter (U.K.)</i>	349
Melphalan resistant human ovarian tumour cells are cross-resistant to photons, but not to high LET neutrons <i>R. A. Britten, H. M. Warenius, R. White, P. G. W. Browning and J. A. Green (U.K.)</i>	357

Vocal cord cancer: 2b worse than not 2b (Editorial) <i>K.K. Ang and L.J. Peters (U.S.A.)</i>	365
Meeting Agenda	367
Courses	370
Contents of Volume 18	373
Author Index	377
Subject Index	380